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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/639.196	08/15/2000	Arto Palin	4208-4353	1563
27123 7590 01/25/2008 MORGAN & FINNEGAN, L.L.P. 3 WORLD FINANCIAL CENTER NEW YORK, NY 10281-2101			EXAMINER NGUYEN, HAU H	
			ART UNIT 2628	PAPER NUMBER
			NOTIFICATION DATE 01/25/2008	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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## Office Action Summary

**Application No.**

09/639,196

**Applicant(s)**

PALIN, ARTO

**Examiner**

Hau H. Nguyen

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 30 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 43-62 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 43-62 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/30/2007 has been entered.

#### ***Specification Objection***

2. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: The specification does not give any support or definition to the claim subject matter in claim 54; in particular, there is no definition of "*an article of manufacture comprising a computer readable medium containing computer readable code*" found in the Specification to support this claimed feature.

#### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 43-44, 46-47, 49-52, 54-58, 60-61 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baskin et al. (U.S. Patent No. 5,307,055) ("Baskin", hereinafter) in view of Parulski et al. (U.S. Patent No. 5,666,159) ("Parulski", hereinafter).

As per claim 43, as shown in Figs. 1-3, 8A, and 8B, Baskin teaches a display control device 11 comprising:

*a processor (14);*  
*a memory (15) coupled to the processor for storing data provided by the processor;*  
*a display (18) coupled to the processor for displaying images provided by the processor;*  
*a splitting application configured to split received data into at least two parts for displaying at least two substantially different images* (col. 6, lines 14-22, and lines 52-61, and Fig. 8a of Baskin, the combined main display memory and auxiliary display memory 97 receives the combined image for both the main monitor and the auxiliary monitor (col. 5, lines 6-22), and then split out at the combined display memory 97, see also col. 9, lines 45-52. In this case, the adapter 13 has the functionality of splitting data to the auxiliary and external display devices).

Baskin also teaches a transmitter coupled to the processor configured to transmit at least one of the at least two parts to an external display device (see Fig. 2).

Baskin does not explicitly teach the display control device 11 is a mobile terminal, and the transmitter is a *wireless* short range transmitter to transmit at least one of the at least two part *wirelessly* to the external display device.

However, it is well known in the art to incorporate the teachings of Baskin into a mobile device that can transmit image to an external display device wirelessly via a wireless short-range transmitter as is taught by Parulski. As shown in Fig. 1, Parulski teaches a mobile terminal 12 capable of communicating with different receiving devices (including a computer) wirelessly via an RF link for display or printing (Fig. 11, and col. 1, line 44 through col. 2, line 5).

Therefore it would have been obvious to one skilled in the art to utilize the method of transmitting image wirelessly to an external display device using a portable device as taught by Parulski incorporated in the display control device as taught by Baskin so that the device is small and portable, and further can transmit image to another display device without the need of extra wiring.

As per claim 44, as cited above, Baskin teach a receiver for receiving a signal (adapter 13 receiving signal for the image generator 10).

As per claim 46, Baskin teach the memory comprising a buffer to buffer the received signal to provide time for the splitting application to split the received data into at least two parts (Figs. 6A-E, and Fig. 8A, and col. 6, lines 58-61).

As per claim 47, Baskin further teach forwarding to the display the at least one part of the received data that is not transmitted to the external display device (i.e. to the auxiliary monitor 18).

As per claim 49, referring to claim 43 above, the combined reference Baskin and Parulski teaches a method for handling image data at a mobile terminal comprising:

*obtaining data in frames* (Baskin, col. 2, lines 30-40);

*splitting the obtained data into at least two parts for displaying at least two substantially different images; and*

*transmitting at least one of the at least two parts wirelessly to the external display device* (combination of Baskin and Parulski, as cited above in claim 43).

As per claim 50, Baskin teaches the obtained data is received from a receiver (adapter 13 receiving signal for the image generator 10).

As per claim 51, Baskin teaches *buffering a received signal to provide time for a spitting application in the mobile terminal to split obtained data into the at least two part* (Figs. 6A-E, and Fig. 8A, and col. 6, lines 58-61).

As per claim 52, Baskin further teaches forwarding to the display of the mobile terminal a part of the split data that is not transmitted to the external display device (i.e. to the auxiliary monitor 18).

As per claim 54, with reference to claim 43 above, the combined reference Baskin-Parulski teaches *an article of manufacture comprising a computer readable medium containing computer readable code, which when executed by a processor causes the processor to split data obtained by a mobile terminal into at least two parts for displaying at least two substantially different images and transmit at least one of the at least two parts wirelessly to an external display device*.

As per claim 55, Baskin teaches the obtained data is received from a receiver (adapter 13 receiving signal for the image generator 10).

As per claim 56, Baskin further teaches the computer readable code causes the processor to buffer a received signal to provide time for splitting of the obtained data into the at least two parts (Figs. 6A-E, and Fig. 8A, and col. 6, lines 58-61).

As per claim 57, referring to claim 43 above, Baskin-Parulski combined reference teaches *a system comprising a mobile terminal and an external display device, wherein the mobile terminal comprises a processor; a memory coupled to the processor for storing data provided by the processor; a display coupled to the processor for displaying images provided by the processor; a splitting application configured to split received data into at least two parts for*

*displaying at least two substantially different images; and a wireless short-range transmitter coupled to the processor and configured to transmit at least one of the at least two parts wirelessly to the external display device; and wherein the external display device displays a substantially different image from the display of the mobile terminal.*

As per claim 58, Baskin teaches a receiver for receiving a signal (adapter 13 receiving signal for the image generator 10).

As per claim 60, Baskin further teach the memory comprising a buffer to buffer the received signal to provide time for the splitting application to split the received data into at least two parts (Figs. 6A-E, and Fig. 8A, and col. 6, lines 58-61).

As per claim 61, Baskin further teach the processor is configured to forward to the display the at least one part of the received data that is not transmitted to the external display device (i.e. to the auxiliary monitor 18).

5. Claims 45, 48, 53, 59, and 62 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baskin et al. (U.S. Patent No. 5,307,055) in view of Parulski et al. (U.S. Patent No. 5,666,159), and further in view of Harrison et al. (U.S. Patent No. 6,064,420) ("Harrison", hereinafter).

As per claim 45, as cited above, Baskin-Parulski combination teaches all the limitations of claim 45, except that the receiver is a wide-area network receiver. However, Harrison teaches a method of splitting received data, which comprises a primary data and associated data, and providing the separated data to the targeted display devices (Figs. 4 and 6, and their disclosure).

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Harrison further teaches the receiver 74 is also a wide-area network receiver (col. 8, line 62 to col. 9, line 5).

Therefore, it would have been obvious to one skilled in the art to utilize the method as taught by Harrison in combination with the method as taught by Baskin-Parulski so that more display devices can communicate with one another.

As per claim 48, Baskin-Parulski in combination fails to teach the splitting application is configured to split received data into at least two parts based on headers (recipient identifications) in the received data. However, this is what Harrison teaches (Figs. 12 and 13, col. 12, lines 14-54).

Therefore, it would have been obvious to one skilled in the art to utilize this method of Harrison in combination with the method as taught by Baskin-Parulski in order to provide the received data to the appropriate target recipient device.

Claim 59, which is similar in scope to claim 45, is thus rejected under the same rationale.

Claims 53 and 62, which are similar in scope to claim 48, are thus rejected under the same rationale.

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hau H. Nguyen whose telephone number is: 571-272-7787. The examiner can normally be reached on MON-FRI from 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on (571) 272-7794.



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The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/H. Nguyen/

Hau Nguyen

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